## SEQUENCE LISTING

<110> HANAGATA, HIROSHI NISHIJYO, TAKAYUKI
<120> NOVEL BREVIBACILLUS CHOSHINENSIS AND METHOD FOR PRODUCING PROTEIN USING THE MICROORGANISM AS HOST
<130> 288727US-10578781
<140> 10/578,781 <141> 2006-05-09
<150> PCT/JP04/16912 <151> 2004-11-08
<150> JP 2003-381606 <151> 2003-11-11
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atc acg ccg Ile Thr Pro 145		. Val Phe			-	~ ~	
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Arg Glu Leu 35	Leu Val As	n Ser Asn 40	Ile Arg	Leu Val	Trp Se:	r Val	Val
Gln Arg Phe 50	Ile Asn Ar	Gly Tyr 55	Glu Ala	Asp Asp 60	Leu Pho	e Gln	Ile

65 65	Cys	тте	GIĀ	Leu	леи 70	гÀг	Ala	Val	Asp	ьуs 75	Pne	Asp	Leu	Ser	Tyr 80	
Asp	Val	Arg	Phe	Ser 85	Thr	Tyr	Ala	Val	Pro 90	Met	Ile	Ile	Gly	Glu 95	Ile	
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			tac Tyr													1968
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cgt Arg	tac Tyr	caa Gln 675	gtg Val	aac Asn	gat Asp	gcg Ala	gca Ala 680	ttc Phe	agc Ser	ccg Pro	aac Asn	aaa Lys 685	acc Thr	tcc Ser	ggc Gly	2064
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- Leu Thr Ala Glu Lys Asp Lys Lys Phe Tyr Gly Gly Asn Asp Glu Asn 210 220
- Gly Asn Asp Ala Asn Pro Arg Asp Leu Val Val Glu Thr Leu Glu Ser 225 230 235 240
- Val Gly Asp Ala Ile Lys Gly His Glu Glu Glu Tyr Asp Gln Arg Asp
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- Thr Glu Ile Pro Gly Thr Ser Leu Lys Ala Tyr Asp Tyr Met Ile Gln 305 310 315 320
- Pro Glu Asp Gly Ala Pro Gly Val Phe Ala His Glu Tyr Gly His Asn \$325\$ \$330\$ \$335
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- Leu Gln Glu Met Tyr Gly Gly Lys Trp Ile Glu Pro Gln Val Ile Asn 385 390 395 400
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- Arg Ala Ile Glu Thr Gly Tyr Asp Tyr Leu Tyr Val Asn Val Ile Asp 485 490 495

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Lys Gly Trp Asp Lys Glu Glu Ile Ser Leu Asn Asp Phe Ala Gly Lys 515 520 525

Lys Ile Gln Val Glu Phe Asn Tyr Val Thr Asp Gly Gly Leu Ala Met 530 540

Ser Gly Phe Tyr Leu Asp Asn Phe Ala Val Thr Ala Asp Gly Glu Val 545 550 555 560

Val Phe Ser Asp Asp Ala Glu Gly Asp Gln Lys Phe Asp Leu Asp Gly
565 570 575

Phe Ile His Phe Asp Gly Glu Gly Lys Met Tyr Asp Ala Tyr Tyr Leu 580 585 590

Val Glu Leu Arg Ser His Glu Gly Val Asp Glu Gly Leu Lys Tyr Phe  $595 \hspace{1.5cm} 600 \hspace{1.5cm} 605$ 

Arg Arg Asn Asp Thr Phe Phe Thr Tyr Asp Pro Gly Leu Val Ile Trp 610 615 620

Tyr Tyr Asp Gly Arg Phe Gly Lys Thr Gln Asp Asn Asn Thr Ser Asn 625 630 635 640

His Pro Gly Tyr Gly Met Leu Gly Val Val Asp Ala His Gl<br/>n Glu Val 645 650 655

Arg Tyr Trp Asn Asp Glu Gly Asn Glu Glu Ala Ile Ala Asp Ser 660 665 670

Arg Tyr Gln Val Asn Asp Ala Ala Phe Ser Pro Asn Lys Thr Ser Gly 675 680 685

Met Asp Leu Asp Tyr Ile Leu Gly Thr Met Asp Tyr Glu Pro Leu Lys 690 695 700

Gly Ile Thr Val Phe Lys Asp Ser Asp Asp Tyr Thr Met Pro Glu Val 705 710 715 720

Pro Glu Ile Gly Lys Ile Leu Pro Lys Ile Gly Leu Gln Ile Lys Leu
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1344

1345

Ser Arg Ser Ala Ser

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Tyr Gln Ser Leu Tyr Gly Arg Leu Gln Glu Val Ala Glu Thr Leu Pro \$35\$ \$40\$ \$45\$

Pro Leu Tyr Arg Glu His Val Tyr His Pro Phe Leu Gln Ala Met Asp 50 55 60

Lys Leu Ser Glu Ser Gly Phe Ala Gln Met Leu Arg Arg Asp Pro Gln 65 70 75 80

Lys Glu Arg Glu Ala Gly Leu Phe Cys Asp Ile Ala Gln Ala Ile Leu 85 90 95

Gln Asn Gly Glu Ala Tyr Glu Arg Asp Ala Thr Asp Ala Phe Gln Glu 100 105 110

Val Val Ser Asp Leu Tyr Asp Gly Phe Leu Ser Glu Glu Asp Arg Ser 115 120 125

Gly Ile Lys Pro Pro Asp Glu Ser Leu Ile Ala Pro Leu Val Lys Trp 130 135 140

Gly Arg Pro Gln Phe Gly Pro Tyr Thr Trp Thr Ala Glu Ala Ala Ala 145 150 155

His Phe Gly Ile Lys Thr Gly Ile Val Asn Leu Pro Pro Ala Asn Ala 165 170 175

Arg Leu Gly Leu Leu Ala Trp Ser Ala Leu Gly His Glu Thr Ala Gly 180 185

His Asp Ile Leu His Ala Asp Thr Gly Leu Leu Gly Glu Leu Gln Gln
195 200 205

Thr Val Tyr Asp Ala Leu Phe Asp Glu Leu His Asn Arg Thr Leu Ala 210  $\,$  215  $\,$  220  $\,$ 

Asp Tyr Trp Ser Leu Arg Ile Asp Glu Thr Ala Ser Asp Val Leu Gly 225 230 235 240

Ile Leu Asn Thr Gly Pro Ala Ala Gly Ile Gly Leu Ile Gly Tyr Phe 245 250 255

Arg Gly Leu Asn Lys Ala Tyr Thr Gly Gln Ala Thr Leu Arg Asn Thr 260 265 270

Gly Pro Gln Asn Asp Pro His Pro Ala Asp Ile Leu Arg Gly Tyr Leu 275 280 285

Ala Ala Glu Thr Ala Arg Leu Leu His Phe Asp Asn Ala Ser Asp Trp 290 295 300

Ala Gln Ala Leu Leu Glu Glu Thr Arg Arg Asp Leu Lys Gly Ile Thr 305 310 315

Ile Gly Arg Ala Ser Leu Asp Ala Glu Thr Ala Gln Lys Ser Ala Ala 325 330 335

Ile Val Ala Arg Thr Ile Met Glu Ala Arg Leu Leu Ser Leu Glu Gly 340 345 350

His Ala Leu Gly Gln Ile Gln Asn Trp His Asn Glu Asp Glu Arg Ile 355 360 365

Val Gln Glu Ile Arg Ser His Phe Thr Gly Ser Leu Thr Val Gln Asp 370 375 380

Gly Ile Val Ser Gly Met Tyr Ala Ala His Val Val Ala Ala Val 385 390 395 400

Gln Ala Ala Val Ser Gly Glu Met Asp Thr Ser Ala Ala Phe Thr Gly 405 410 415

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